

Amendments to the Specification:

Please insert the Abstract page into the application as the last page thereof.

Abstract

The invention relates to the use of at least two lactic acid bacterial strains selected from the group comprising *Pediococcus pentosaceus* 16:1 (LMG P-20608), *Leuconostoc mesenteroides* 23-77:1 (LMG P-20607), *Lactobacillus paracasei* subsp *paracasei* F-19 (LMG P-17806), and *Lactobacillus plantarum* 2362 (LMG P-20606) for the manufacturing of a formulation for the prevention or treatment of stress-induced inflammatory disorder.